

Title (en)  
Imaging optical instrument

Title (de)  
Abbildendes optisches Gerät

Title (fr)  
Appareil d'imagerie optique

Publication  
**EP 1258743 A2 20021120 (EN)**

Application  
**EP 02009974 A 20020503**

Priority  
JP 2001142585 A 20010514

Abstract (en)  
An imaging optical instrument causes light emitted from a plurality of light sources arranged adjacent an object to image on recording surfaces of a photosensitive or thermosensitive material. The optical instrument includes a two-sided telecentric optical system having a first lens disposed adjacent an entrance end of a lens barrel, and a second lens disposed adjacent an exit end of the lens barrel, and an aperture stop disposed adjacent a meeting point of a rearward focus of the first lens and a forward focus of the second lens. The aperture stop has an aperture formed centrally thereof for allowing passage of beams that should contribute to image formation, and a refracting portion surrounding the aperture for refracting beams that should be intercepted and causing these beams to leave the lens barrel from the exit end thereof. <IMAGE>

IPC 1-7  
**G02B 7/02**; **G02B 5/00**; **G02B 3/00**

IPC 8 full level  
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CPC (source: EP US)  
**G02B 3/00** (2013.01 - EP US); **G02B 3/06** (2013.01 - EP US); **G02B 5/001** (2013.01 - EP US); **G02B 5/005** (2013.01 - EP US);  
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**G03B 27/32** (2013.01 - EP US)

Cited by  
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US10495849B2; US10830953B2; WO2006036896A1; WO2018234024A1; US10520710B2; US11467384B2

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EP 1637909 A2 20060322; EP 1637909 A3 20060412; EP 1637909 B1 20140430; JP 2002341222 A 20021127; JP 3710724 B2 20051026;  
US 2002167652 A1 20021114; US 2005083587 A1 20050421; US 6816237 B2 20041109; US 6927924 B2 20050809

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